

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the instant application:

Listing of Claims:

1. (Currently Amended) A method of providing biometric information over a telephone call established ~~over a Public Switched Telephone Network (PSTN)~~ between at least ~~one~~ a speaker and a subscriber comprising:

subscribing a voice analysis service by the subscriber;

receiving a ~~full bandwidth PSTN audio~~ voice stream from the speaker transmitted over the PSTN, said ~~audio~~ voice stream ~~comprising~~ including a plurality of voice signals of the speaker;

invoking the voice analysis service by the subscriber;

providing the voice signals to the voice analysis service;

determining biometric information from the voice signals of the speaker by the voice analysis service;

identifying inaudible portions in the ~~PSTN audio~~ voice stream using a psychoacoustic model;

modifying said ~~PSTN audio~~ voice stream by encoding the determined biometric information and replacing the identified inaudible portions of the ~~PSTN audio~~ voice stream with said encoded information; and

transmitting the modified ~~PSTN audio~~ voice stream to the subscriber over the established telephone call ~~PSTN~~.

2. (Previously Presented) The method of claim 1, said determining step comprising:
extracting at least one attribute from the voice signals;

comparing the at least one attribute with voice metrics; and
generating the biometric information based upon said comparing step.

3. (Cancelled)

4. (Original) The method of claim 1, wherein the biometric information specifies at least one of an indication of voice level, stress level, voice inflection, and an emotional state.

5. (Previously Presented) The method of claim 1, wherein the subscriber receives the voice signals and the associated biometric information, both of the speaker, substantially concurrently over the call.

6. (Currently Amended) The method of claim 1, further comprising:
extracting the embedded biometric information from the transmitted PSTN ~~audio~~
voice stream;
decoding the extracted biometric information; and
presenting the information to the subscriber.

7. (Currently Amended) A system for providing biometric information over a telephone call established over a ~~Public Switched Telephone Network (PSTN)~~ between at least one a speaker and a subscriber comprising:

means for subscribing a voice analysis service by the subscriber;
means for receiving a full-bandwidth PSTN audio voice stream from the speaker
~~transmitted over the PSTN~~, said audio stream comprising including a plurality of voice signals of the speaker;

means for invoking the voice analysis service by the subscriber;

means for providing the voice signals to the voice analysis service;

means for determining biometric information from the voice signals of the speaker;

means for identifying inaudible portions in the ~~PSTN-audio~~ voice stream using a psychoacoustic model;

means for modifying said ~~PSTN-audio~~ voice stream by encoding the determined biometric information and replacing the identified inaudible portions of the ~~PSTN-audio~~ voice stream with said encoded information; and

means for transmitting the modified ~~PSTN-audio~~ voice stream to the subscriber over the established telephone call ~~PSTN~~.

8. (Previously Presented) The system of claim 7, said means for determining comprising:

means for extracting at least one attribute from the voice signals;

means for comparing the at least one attribute with voice metrics; and

means for generating the biometric information based upon a result obtained from said means for comparing.

9. (Cancelled)

10. (Original) The system of claim 7, wherein the biometric information specifies at least one of an indication of voice level, stress level, voice inflection, and emotional state.

11. (Previously Presented) The system of claim 7, wherein the subscriber receives the voice signals and the associated biometric information, both of the speaker, substantially concurrently over the call.

12. (Currently Amended) The system of claim 7, further comprising:
means for extracting the embedded biometric information from the transmitted ~~PSTN audio~~ voice stream;
means for decoding the extracted biometric information; and
means for presenting the information to the subscriber.

13. (Currently Amended) A computer-readable storage, having stored thereon a computer program having a plurality of code sections executable by a computer for causing the computer to perform the steps of:

subscribing a voice analysis service by the subscriber;
~~receiving an audio~~ a voice stream during a telephone call established ~~over a Public Switched Telephone Network (PSTN) at least one~~ between a speaker and a subscriber, wherein said ~~audio~~ voice stream includes ~~comprises a full bandwidth PSTN audio stream,~~ and wherein said ~~audio stream~~ comprises a plurality of voice signals of the speaker;
invoking the voice analysis service by the subscriber;
providing the voice signals to the voice analysis service;
determining biometric information from the voice signals of the speaker;
identifying inaudible portions in the ~~PSTN audio~~ voice stream using a psychoacoustic model;
modifying said ~~PSTN audio~~ voice stream by encoding the determined biometric information and replacing the identified inaudible portions of the ~~PSTN audio~~ voice stream with said encoded information; and

transmitting the modified ~~PSTN-audio~~ voice stream to the subscriber over the established telephone call ~~PSTN~~.

14. (Previously Presented) The computer-readable storage of claim 13, said determining step comprising:

extracting at least one attribute from the voice signals;
comparing the at least one attribute with voice metrics; and
generating the biometric information based upon said comparing step.

15. (Cancelled)

16. (Previously Presented) The computer-readable storage of claim 13, wherein the biometric information specifies at least one of an indication of voice level, stress level, voice inflection, and emotional state.

17. (Previously Presented) The computer-readable storage of claim 13, wherein the subscriber receives the voice signals and the associated biometric information, both of the speaker, substantially concurrently over the call.

18. (Currently Amended) The computer-readable storage of claim 13, further comprising:

extracting the embedded biometric information from the transmitted ~~PSTN-audio~~ voice stream;
decoding the extracted biometric information; and
presenting the information to the subscriber.

19. (Currently Amended) The method of claim 1, wherein at least one other speaker is connected to the call, and wherein the method further comprises:

prior to said receiving step, selecting one among the voice signals of the speaker and the voice signals of the other speaker to be analyzed; and

performing the steps of receiving, determining, generating, identifying, encoding, and transmitting only for said selected speaker.

20. (Previously Presented) The system of claim 7, wherein at least one other speaker is connected to the call, and wherein the system further comprises:

means for selecting one among the voice signals of the speaker and the voice signals of the other speaker to be analyzed prior to receiving said voice signals; and

means for performing the steps of receiving, determining, generating, identifying, encoding, and transmitting only for said selected speaker.

21. (Currently Amended) The computer-readable storage medium of claim 13, wherein at least one other speaker is connected to the call, and further comprising code sections for:

prior to said receiving step, selecting one among the voice signals of the speaker and the voice signals of the other speaker to be analyzed; and

performing the steps of receiving, determining, generating, identifying, encoding, and transmitting only for said selected speaker.